

EO FOR SUSTAINABLE DEVELOPMENT IN THE CLIMATE RESILIENCE DOMAIN

DELIVERY

QUESTION & ANSWER SESSION

WEBINAR SERIES 1: WEBINAR SERIES ON HOW TO USE EARTH
OBSERVATION TO TACKLE CLIMATE CHANGE

MODULE 2: WEBINAR 02: THE HOW, WHEN, AND WHY OF USING EO DATA IN
CLIMATE RESILIENCE DECISION-MAKING.

SHOWCASE 1: AGRICULTURAL LIVELIHOODS & WATER

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Prepared by: Dora Perrou, NOA

Approved by: Anestis Trypitsidis, NOA

Authorized by: Carlos Domenech, GMV

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Q&A

Q1: Noman Qadir: Are we going to receive copy of slides

A1: Dora Perrou: Yes of course! After the webinar, we will upload both the presentation material and the recording in the EO4SD CR website. Please visit the link below to download the related video and presentation in pdf format: <http://eo4sd-climate.gmv.com/content/webinar-series-1-module-2>

Q2: Noman Qadir: Are the satellites financially accessible for developing nations at low / reasonable prices?

A2: Carlos Domenech: It depends on the required spatial resolution. Sentinel family satellites provide free data for any purpose. Highest spatial accuracy is provided by S2 at 10m. Landsat family and MODIS also used in agriculture are also freely available. Commercial satellite providers offer spatial resolutions higher than 1m at a cost.

Q3: Noman Qadir: How climate interventions on food production is predicted ie high water / low water availability, temperature, floods, droughts, locust attack

A3: Carlos Domenech: I recommend you, for instance, to review the methodologies employed in this H2020 project, <http://www.africultures.eu/project>

Q4: Noman Qadir: How crop yield is estimated from the area imaginary

A4: Carlos Domenech: Please check, for instance, this Copernicus project <https://climate.copernicus.eu/global-agriculture-project> for more detailed information

Q5: Noman Qadir: For coastal areas, can you assess the water movement specially saline water movement inside ground ..

A5: Carlos Domenech: Saline intrusion can be assessed from satellite, but with the support of in-situ data.

Q6: Sebastian Gohl (LfULG): Is the pan-sharepende thermal product somewhere published?

A6: Carlos Domenech: Please check their website <http://esa-sen4et.org/> in order to download their open source software.

Q7: Noman Qadir: How much is the fees to provide water data?

A7: Carlos Domenech: All products presented during my ppt are freely available. Software is open source and can be downloaded.

Q8: Melkie Fenta: This tools is very interesting for climate assessment but for tools which is new for me case it is better to show me the practical training

A8: Dora Perrou: Thank you. Please visit our EO4SD CR website: <http://eo4sd-climate.gmv.com/> to have a look at our Capacity Building Activities. More practical information will be given to you in the next presentations/ modules of this webinar series:1. Especially the last two webinars (module6&7) will be focused on the EO4SD CR platform (hands-on training). So please stay tuned!

Q9: Melkie Fenta: Did you train us practically how this slide product produced because detail procedure to implement on ground is useful for our programme case

A9: Carlos Domenech: This is the scope of the webinar series:

1. The first 3 are more to understand the scope under which we are providing services. Today and next week for example we are focusing on how EO based data and services are supporting the decision making process of development projects. Today for Agricultural livelihoods & water and next week Urban resilience & environmental & natural resources.
2. The 4th and 5th webinar dives into details on specific services our cluster is providing for different development projects in West Africa, Monrovia, ARC etc.).
3. The last two our hands-on trainings on the EO4SD CR platform <https://explorer-eo4sdcr.adamplatform.eu/> (1st one is on the User interface, and the second is on the Jupyter notebook provided from the same platform).